

DESCRIPTION

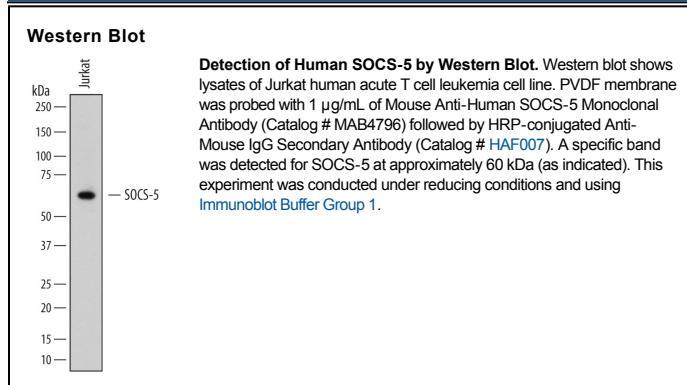
Species Reactivity	Human
Specificity	Detects human SOCS-5 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human SOCS-1, -2, -3, -4, or -6 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 516729
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SOCS-5 Met1-Lys536 Accession # O75159
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SOCS-5 (Suppressor of cytokine signaling 5; also CIS-6) is a 55-60 kDa member of the SOCS family of proteins. It is an SH2-domain containing cytoplasmic adaptor protein expressed by Th1 cells that is known to reduce the expression of the EGF receptor and block signaling by the IL-4 Rα chain. Human SOCS-5 is 536 amino acids (aa) in length. It contains one SH2 domain (aa 381-476) and a SOCS box (aa 471-520) that mediates interaction with E3 ubiquitin ligase complexes. Full-length SOCS-5 is 94% aa identical to mouse SOCS-5.